

REMARKS

Claims 1-12 are pending. Claim 6 (there is no claim 16) has been objected to.

Claim 5 has been objected to for its apparent use of the phrase "and wherein" in the last line thereof. Note that claim 5, nor any other of claims 1-5 and 6-12 include the phrase "and wherein". Accordingly, the objection is deemed to be in error and should be withdrawn.

Claims 1-5 and 7-10 were rejected under 35 U.S.C. §102(b) as being anticipated by Nicol et al. (US 6,141,762). The applicant respectfully traverses this rejection for the following reason(s).

Claims 1-5 and 7-10 are directed towards a power saving apparatus in a power control system of a monitor. Included in the claim is, for example, *a signal sensor which senses a video synchronization signal input into the signal sensor and generates data based on an input state of the video synchronization signal.*

Nicol et al. has no relationship to a power saving apparatus in a power control system of a monitor, never mentions a monitor and clearly fails to disclose a video synchronization signal being received by a signal sensor.

A review of the rejection with respect to claim 1, for example, finds no reference to any of the features set forth in claim 1.

Accordingly, it is not clear why Nicole et al. was applied in a §102 rejection. However, it does appear that the Examiner failed to examine the claims in the instant case, and instead examined claims from some no related case.

Accordingly, the rejection is deemed to be in error and should be withdrawn.

Following is a copy of all pending claims. Should the file which the Examiner has examined show different claims, then the Examiner should telephone the undersigned Attorney before proceeding with further prosecution of this patent application.

CLAIMS AS FILED

1 1. A power saving apparatus in a power control system of a monitor, the power saving
2 apparatus comprising:
3 a power supply unit which supplies power to each block of the monitor;
4 a signal sensor which senses a video synchronization signal input into the signal sensor and
5 generates data based on an input state of the video synchronization signal;
6 a signal driver which converts a video signal into a display driving signal;
7 a display which displays the video signal, in response to the display driving signal, on a
8 screen; and
9 a microprocessor which determines whether the monitor is in a power saving mode or a
10 normal mode based on the data generated by the signal sensor, said microprocessor permitting the
11 power to be supplied to said signal sensor, said signal driver and said display when it is determined
12 that the monitor is in the normal mode, said microprocessor cutting off the power supplied from the
13 power supply unit to said signal sensor, said signal driver and said display when it is determined that
14 the monitor is in the power saving mode, said microprocessor permitting power to be resupplied to
15 said signal sensor after a first predetermined time interval during said power saving mode.

1 2. The power saving apparatus as set forth in claim 1, wherein said microprocessor
2 permits the power to be resupplied to said signal sensor for a second predetermined time interval,
3 during said power saving mode, and then again cuts off the power to said signal sensor, said first
4 predetermined time interval being longer than said second predetermined time interval.

1 3. The power saving apparatus as set forth in claim 2, wherein said microprocessor
2 permits the power to be resupplied to said signal sensor, said signal driver and said display when it
3 is determined that the monitor returns to the normal mode.

1 4. The power saving apparatus as set forth in claim 1, further comprising a power
2 switching unit interposed between power supply unit and said signal sensor, said signal driver and
3 said display, said power switching unit being controlled by said microprocessor to control when the
4 power is supplied from the power supply unit to said signal sensor, said signal driver and said
5 display.

1 5. The power saving apparatus as set forth in claim 4, wherein said microprocessor

controls said power switching unit to permit the power to be resupplied to said signal sensor for a second predetermined time interval, during said power saving mode, and then again cuts off the power to said signal sensor, said first predetermined time interval being longer than said second predetermined time interval.

6. The power saving apparatus as set forth in claim 5, wherein said microprocessor controls said power switching unit to permit the power to be resupplied to said signal sensor, said signal driver and said display when it is determined that the monitor returns to the normal mode.

7. A method for controlling the power of a monitor, comprising the steps of:
determining whether the monitor is in a power saving mode or a normal mode based on whether or not a video synchronization signal is received by a signal sensor;
permitting operational power to be supplied to said signal sensor when it is determined that said monitor is in the normal mode; and
intermittently cutting off and resupplying the operational power to a signal sensor, when it is determined that said monitor is in the power saving mode.

8. The method as set forth in claim 7, wherein the operational power to said signal sensor is cut off for a first predetermined time period and resupplied for a second predetermined time period.

9. The method as set forth in claim 8, wherein said first predetermined time period is longer than said second predetermined time period.

10. A power saving apparatus in a power control system of a monitor, the power saving apparatus comprising:
a power supply unit which supplies power for each block of the monitor;
a signal sensor which senses a video synchronization signal input into the signal sensor and generates data based on an input state of the video synchronization signal;
a signal driver which converts a video signal into a display driving signal;
a display which displays the video signal, in response to the display driving signal, on a screen;
a power switching unit through which the power supplied by said power supply unit is selectively supplied to said signal sensor, said signal driver and said display; and
a microprocessor which determines whether the monitor is in a power saving mode or a normal mode based on the data generated by the signal sensor, said microprocessor controlling said power switching unit to permit the power to be supplied to said signal sensor, said signal driver and said display when it is determined that the monitor is in the normal mode, said microprocessor controlling said power switching unit to cut off the power supplied to said signal sensor, said signal driver and said display when it is determined that the monitor is in the power saving mode, said microprocessor controlling said power switching unit to permit power to be resupplied to said signal sensor after a first predetermined time interval during said power saving mode.

11. The power saving apparatus as set forth in claim 10, wherein said microprocessor controls said power switching unit to permit the power to be resupplied to said signal sensor for a second predetermined time interval, during said power saving mode, and then again cuts off the

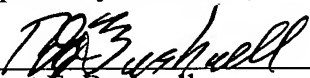
4 power to said signal sensor, said first predetermined time interval being longer than said second
5 predetermined time interval.

1 12. The power saving apparatus as set forth in claim 11, wherein said microprocessor
2 controls said power switching unit to permit the power to be resupplied to said signal sensor, said
3 signal driver and said display when it is determined that the monitor returns to the normal mode.

The examiner is respectfully requested to reconsider the application, withdraw the objections
and/or rejections and pass the application to issue in view of the above amendments and/or remarks.

Should a Petition for extension of time be required with the filing of this Response, the
Commissioner is kindly requested to treat this paragraph as such a request and is authorized to
charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of the
incurred fee if, **and only if**, a petition for extension of time be required **and** a check of the requisite
amount is not enclosed.

Respectfully submitted,


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